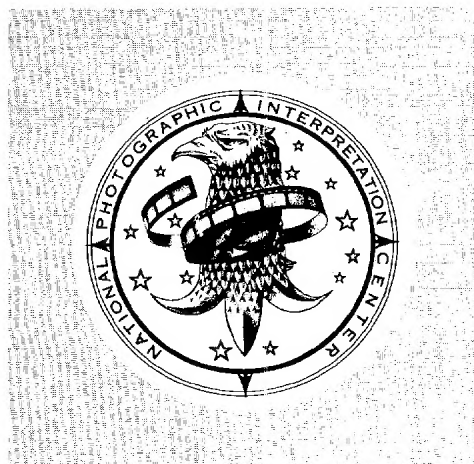


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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK
SUPPLEMENT

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION 1109

IPIR NUMBER 19

OAK SUPPLEMENT PART XV

5-23 MARCH 1970

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TCS-20121/70

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WARNING

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**TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

- | | |
|--|---|
| 1. STRATEGIC SSM
Deployed Strategic SSM Facilities (A) | 7. GROUND
Ground Force Facilities (G) |
| 2. MISSILE RANGES
Missile Ranges: Strategic SSM/Space Facilities (P)
Missile Ranges: Air-Launched Missile Facilities (O)
Missile Ranges: Naval-Launched Missile Facilities (R)
Missile Ranges: Tactical SSM Facilities (S)
Missile Ranges: SAM/AMM Facilities (T) | 8. TACTICAL SSM
Deployed Tactical SSM Facilities (H) |
| 3. AIR DEFENSE MISSILES
Deployed AMM Facilities (B)
Deployed SAM Facilities (D) | 9. LOGISTICS
Military Logistics Facilities (K) |
| 4. ELECTRONICS/COMMUNICATIONS
Deployed Communication/Electronic/Radar Facilities (C) | 10. NUCLEAR ENERGY
Atomic Energy Facilities (O) |
| 5. AIR
Air Base Facilities (E) | 11. CBR
CBR Facilities (V) |
| 6. NAVAL
Naval Base Facilities (F) | 12. INDUSTRY
Strategic Weapons Industrial Facilities (J)
General Purpose Weapons Industrial Facilities (L)
Non-Military Industrial Facilities (N)
Communication/Electronic/Radar R&D Facilities (U) |
| | 13. MISCELLANEOUS
Non-Military Logistics Facilities (M)
Miscellaneous/Unidentified Facilities (Z) |

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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PREFACE

PREFACE

THIS IS THE FIFTEENTH OAK SUPPLEMENT REPORT ON MISSION 1109.
FOR COMPLETE PREFACE SEE THE FIRST OAK SUPPLEMENT REPORT.

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CZECHOSLOVAKIA
GROUND FORCE FACILITIES

OTHER RESULTS-NO APPARENT CHANGE

25X1D OREMOV LAZ TRAINING AREA 401
[REDACTED] NAC

25X1A 48-23-10N 019-16-20E
[REDACTED]

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D
[REDACTED]

0001000

0001000

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UNITED ARAB REPUBLIC
AIR DEFENSE MISSILES

OTHER RESULTS-NO APPARENT CHANGE

25X1A

AL ISKANDARIYAH SAM SITE A24-2

31-07-29N 029-47-53E

25X1D

STATUS:ABANDONED

25X1D

REMARKS:
THIS SITE HAS BEEN OVERGROWN AND IN DISUSE SINCE

25X1D

25X6

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HUNGARY
LOGISTICS

SIGNIFICANT RESULTS

25X1D

LAZI POL STORAGE FACILITY

25X1A

47-30-40N 017-46-20E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

3.4 NM NW OF LAZI. THIS ROAD- AND RAIL-SERVED SECURED FACILITY UNDER CONSTRUCTION CONTAINS AT LEAST 20 SEMIBURIED POL STORAGE TANKS. A SMALL SUPPORT AREA SOUTH OF THE STORAGE AREA CONTAINS ONE L-SHAPED MULTISTORY ADMINISTRATION BUILDING, TWO SUPPORT BUILDINGS, AND AT LEAST FIVE OTHER BUILDINGS.

25X1D



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SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

25X1D SIMFEROPOL MRBM COMPLEX
[REDACTED] NAC

25X1A 44-55-45N 034-22-50E
[REDACTED]

STATUS: NOT OPERATIONAL

REMARKS:

ALL ELEMENTS OF THE COMPLEX ARE VISIBLE AND NO MISSILE
EQUIPMENT IS OBSERVED. NUMEROUS VEHICLES ARE AT LAUNCH SITE 1
AND THE SUPPORT FACILITY. A FEW VEHICLES ARE AT LAUNCH SITE 2.

25X1D [REDACTED]

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SOVIET UNION
MISSILE RANGES

SIGNIFICANT RESULTS

25X1A

25X1D

SARY-SHAGAN ASAT/SPACE TRKNG RADAR FAC

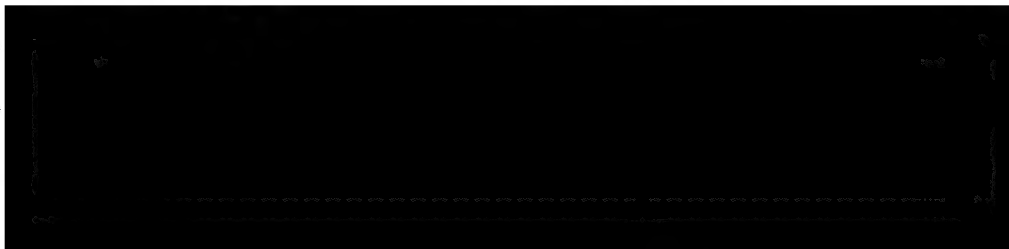
46-36-50N 074-31-20E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION CONTINUES ON THE SWEEPBACK-CONFIGURED DUAL HEN HOUSE E. THE CENTRAL CONTROL BUILDING IS PROBABLY EXTERNALLY COMPLETE WITH ONLY WEATHER PROOFING OF THE ROOF REMAINING TO BE ACCOMPLISHED. FOUNDATION FOOTINGS FOR THE ANTENNA BUILDINGS HAVE PROBABLY BEEN BACKFILLED. THERE ARE NO SUPERSTRUCTURE MEMBERS OBSERVABLE. NO APPARENT CHANGE IS OBSERVED AT THE FOUR DUAL HEN HOUSE RADARS OF AN IN-LINE CONFIGURATION. THERE IS NO SIGNIFICANT CHANGE IN THE SUPPORT FACILITIES.

25X1D



SARY-SHAGAN MISSILE TEST CENTER

25X1A

46-11-05N 072-41-30E

25X1D

STATUS: OPERATIONAL

REMARKS:

THE ENTIRE SARY-SHAGAN MISSILE TEST CENTER WITH THE EXCEPTION OF TRACKING FACILITIES 15 AND 16 IS COVERED BY STEREO PHOTOGRAPHY OF GENERALLY FAIR INTERPRETABILITY.

LAUNCH COMPLEX A -- NO SIGNIFICANT CHANGES OR NEW ACTIVITY ARE OBSERVED. THE LAUNCH POSITIONS AND THE GUIDANCE AREAS OF LAUNCH SITES 1 AND 2 (SA-2) AND THE LAUNCH POSITIONS OF LAUNCH SITES 3 AND 4 (SA-5) AND THE THREE ELECTRONIC SITES ASSOCIATED WITH SITE 4 CONTINUE TO BE OCCUPIED. THE NEW ABM-RELATED AREA OF ACTIVITY IN THE NORTHERN PART OF THE LAUNCH COMPLEX HAS BEEN DESIGNATED LAUNCH COMPLEX F AND WAS REPORTED IN PART 10 OF THE SUPPLEMENT (TCS-20116/70).

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SOVIET UNION
MISSILE RANGES

LAUNCH COMPLEX B -- NO CHANGE IS OBSERVED IN FACILITIES. TWO MISSILE TRANSPORTERS ARE PARKED ON PAD B1. AT LAUNCH POSITION B3, THREE SMALL POSSIBLE VEHICLES OR PIECES OF EQUIPMENT ARE NEAR WHERE THE LAUNCHER ERECTOR WAS FORMERLY INSTALLED. A GALOSH CANISTER IS ENGAGED HORIZONTALLY IN THE LAUNCHER ERECTOR AT C2 AND A CANISTER IS ERECTED IN POSITION C1.

LAUNCH COMPLEX C -- AT THE LAUNCH AREA, A NEW PROBABLE LAUNCH PAD, SIMILAR IN SIZE TO THE PAD AT LAUNCH POSITION C1, HAS BEEN CONSTRUCTED BETWEEN LAUNCH POSITION C1 AND THE INCOMPLETE LAUNCH POSITION C2. A NEW ROAD ALSO CONNECTS LAUNCH POSITION C1 AND THE NEW PROBABLE LAUNCH PAD WITH THE LAUNCH AREA ACCESS ROAD. AN UNIDENTIFIED OBJECT IS PRESENT ON THE NEW PAD. NEW EARTH SCRAPING IS OBSERVED AT INCOMPLETE LAUNCH POSITION C2 AND WEST OF THE SECURED LAUNCH AREA.

25X1D
25X1D
25X1D
25X1D

THE BUILDING REPORTED UNDER CONSTRUCTION IN THE EASTERN HALF OF THE SUPPORT FACILITY ON [REDACTED], APPEARS TO BE ROOFED ON THIS MISSION. ALSO OBSERVED ON [REDACTED] BUT NOT PREVIOUSLY REPORTED, WAS A PROBABLE LAUNCHER MEASURING [REDACTED] LONG AND 1.0 METERS (3 FEET) WIDE. IT WAS PARKED NEAR THE DRIVE-THROUGH MISSILE CHECKOUT AND RECEIVING BUILDING. THE PRESENCE OF THE PROBABLE TUBE-TYPE LAUNCHER CANNOT BE CONFIRMED ON THIS MISSION.

IN THE AREA OF UNIDENTIFIED ACTIVITY 0.72 NM EAST OF THE SUPPORT FACILITY ARE TWO BUILDINGS NEARING EXTERNAL COMPLETION, TWO BUILDINGS WITH FOUNDATIONS AND WALLS UNDER CONSTRUCTION, THREE STRUCTURES CONSISTING OF ONLY FOOTING EXCAVATIONS, AND TWO PROBABLE BURIED TANKS. A NEW LOOP ROAD IS ALSO OBSERVED IN THE AREA.

25X1D

TWO COMPLETED SINGLE-STORY RIDGE-ROOFED BUILDINGS AND A THIRD BUILDING UNDER CONSTRUCTION ARE OBSERVED APPROXIMATELY 1.8 NM WEST OF THE LAUNCH COMPLEX C SUPPORT FACILITY. TWO ADDITIONAL BUILDINGS WERE OBSERVED UNDER CONSTRUCTION IN THIS AREA IN [REDACTED]

25X1D

LAUNCH COMPLEX D -- IN THE MODIFIED TRY ADD AREA, AN ANTENNA IS UNDER CONSTRUCTION ON THE PROBABLE AZIMUTH-ELEVATION ANTENNA MOUNT ATOP TRY ADD BUILDING A. THE ANTENNA GIVES THE APPEARANCE OF HAVING A FLAT SURFACE AND NEARLY CIRCULAR SHAPE. HOWEVER, CERTAIN SEGMENTS OF THE ANTENNA PERIPHERY APPEAR TO BE STRAIGHT. MENSURATION OF THE ANTENNA SUBSTANTIATES THE LATTER STATEMENT INASMUCH AS THE FLAT ANTENNA SURFACE HAS A MAXIMUM DIMENSION OF APPROXIMATELY [REDACTED] AND A MINIMUM DIMENSION OF APPROXIMATELY [REDACTED]. THE MIDDLE SECTION OF THE RADOME, PREVIOUSLY OBSERVED ON THE RAILS

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TOP SECRET RUFF

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SOVIET UNION
MISSILE RANGES

25X1D

IMMEDIATELY SSE OF TRY ADD BUILDING A, HAS BEEN EMPLACED ON THE LOWER RADOME SECTION ATOP TRY ADD BUILDING A SINCE MISSION [REDACTED] THE CAPPING SECTION HAS BEEN PLACED ON THE UPPER RADOME SECTION THAT WAS PREVIOUSLY OBSERVED ON THE 12-SIDED POLYGONAL FRAMEWORK AT THE WESTERNMOST END OF THE FOUR PARALLEL RAILS IMMEDIATELY SSE OF TRY ADD BUILDING A. THIS FINAL SECTION OF THE RADOME HAS BEEN MOVED ALONG THE RAILS NEAR THE LARGE OVERHEAD CRANE THAT SERVES TRY ADD BUILDING A. THE COOLING TOWER EAST OF TRY ADD BUILDING A APPEARS TO BE COMPLETE.

25X1D

ALTHOUGH POSITIVE CONFIRMATION CANNOT BE MADE, IT APPEARS THAT SIX FAN-HOUSING UNITS HAVE BEEN PLACED ALONG THE TOP OF THE COOLING TOWER. THE GROUND LAID PROBABLE CABLE TRAY OBSERVED ON [REDACTED] EXTENDS FROM THE MODIFIED TRY ADD AREA TO THE LAUNCH AREA.

IN THE LAUNCH AREA PROBABLE GALOSH LAUNCHER-ERECTORS HAVE BEEN EMPLACED AT LAUNCH POSITIONS D1 AND D2. NEW TRENCHING IS ALSO OBSERVED IN THE LAUNCH AREA. ONE OF THE TRENCHES EXTENDS FROM LAUNCH POSITION D3 AND IS SIMILAR IN POSITION AND LENGTH TO THOSE ASSOCIATED WITH THE POSSIBLE INSTRUMENTATION PATTERNS AT LAUNCH POSITIONS D1 AND D2.

25X1D

A CONSIDERABLE AMOUNT OF GRADING HAS TAKEN PLACE AT THE MISSILE CHECKOUT AREA SINCE [REDACTED] THE AREA NOW CONSISTS OF A RECTANGULARLY SHAPED LOOP ROAD THAT EXTENDS WESTWARD FROM THE MAIN COMPLEX ROAD WITH THE MAIN ROAD FORMING THE EASTERN SIDE OF THE RECTANGULARLY SHAPED LOOP. THE WESTERNMOST SECTION OF THE LOOP ROAD HAS BEEN WIDENED AT THE MID-POINT. A SMALL EXCAVATION IS PRESENT ALONG ONE AND POSSIBLY BOTH SIDES OF THE WIDENED PORTION OF THE ROAD.

AT THE NEW POWER SUBSTATION, BOTH TRANSFORMERS HAVE BEEN INSTALLED.

25X1D

A SECOND PROBABLE TOWER BASE EXCAVATION IS LOCATED IN AN AREA APPROXIMATELY [REDACTED] ON AN AZIMUTH OF [REDACTED] DEGREES FROM THE PROBABLE TOWER BASE EXCAVATION OBSERVED EAST OF TRY ADD BUILDING C ON [REDACTED] THE AREA ALSO CONTAINS A NUMBER OF EXCAVATIONS FOR POSSIBLE GUY ANCHOR POINTS. THEY ARE ARRANGED IN TWO DISTINCT GEOMETRICAL PATTERNS SIMILAR TO THOSE EAST OF TRY ADD BUILDING C. NO SIGNIFICANT CHANGE IS OBSERVED IN THE PERSONNEL QUARTERS AREA OF THE SUPPORT AREA.

25X1D

25X1D

25X1D

OPERATIONAL SUPPORT BASE -- IN THE EXPLOSIVES AND SOLID PROPELLANT STORAGE AND HANDLING AREA, THE PROBABLE GALOSH MISSILE CANISTER THAT HAD BEEN OBSERVED ON THE [REDACTED] IS NOT PRESENT.

25X1D

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TOP SECRET RUFF

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SOVIET UNION
MISSILE RANGES

25X1D IN THE LIQUID PROPELLANT STORAGE AND HANDLING FACILITY, BOTH OF THE TANK FARMS APPEAR TO BE EARTH COVERED. A RIDGE-ROOFED BUILDING HAS BEEN CONSTRUCTED IN THE SOUTHEASTERN PORTION OF THE FACILITY AND A SIMILAR-TYPE BUILDING IS UNDER CONSTRUCTION IN THE NORTHWESTERN PORTION. ON [REDACTED] BOTH OF THE BUILDING AREAS WERE REPORTED AS A RECTANGULAR CLEARED AREA APPROXIMATELY 38 X 19 METERS (124 X 61 FEET) WITH VERTICAL SUPPORTS ENCOMPASSING EACH AREA. A LARGE COAL PILE IS NEAR THE HEATING PLANT AND SEVERAL OPEN TRENCHES ARE STILL VISIBLE THROUGHOUT THE FACILITY.

IN THE SAM SUPPORT FACILITY -- TWO NEARLY PARALLEL EARTH WALLS HAVE BEEN CONSTRUCTED RECENTLY OUTSIDE OF THE SECURITY FENCE NEAR THE SOUTHWEST CORNER. VEHICULAR TRACK SCARS LEAD FROM THE EARTH WALLS BACK THROUGH AN OPENING IN THE SECURITY FENCE THAT SURROUNDS THE SUPPORT FACILITY. NO SIGNIFICANT CONSTRUCTION CHANGE IS OBSERVED IN THE SUPPORT FACILITY.

SUSPECT ELECTRONICS FACILITY -- AN OPEN TRENCH APPROXIMATELY 567 METERS (1,860 FEET) IN LENGTH IS NEWLY OBSERVED APPROXIMATELY 579 METERS (1,900 FEET) SOUTH OF THE PREVIOUSLY REPORTED OPEN TRENCH THAT MEASURED APPROXIMATELY 457 METERS (1,500 FEET) IN LENGTH. THE 457-METER (1,500-FOOT) TRENCH APPEARS TO BE COMPLETELY BACKFILLED WITH EARTH. A PERPENDICULAR TO THE OPEN TRENCH HAS AN AZIMUTH OF 265/85 DEGREES AND IS THE SAME AZIMUTH PREVIOUSLY MEASURED FOR THE 457-METER (1,500-FOOT) TRENCH. AN OBLONG EXCAVATION WITH A MAXIMUM DIMENSION OF 10 METERS (32 FEET) IS OBSERVED AT THE NORTHERN END OF THE NEW TRENCH. AT SEVERAL POINTS ALONG THE TRENCH, THE EARTH HAS EITHER NOT BEEN REMOVED OR HAS BEEN BACKFILLED. THESE POINTS ARE VERY NARROW AND MAY SIMPLY BE FOR THE PURPOSE OF ALLOWING VEHICLES TO DRIVE ACROSS THE TRENCH.

25X1D TRACKING FACILITY 1 -- A DARK-TONED RECTANGULARLY SHAPED AREA IS NEWLY OBSERVED ON THE GROUND WITHIN THE FENCED OPERATIONS AND SUPPORT AREA ON THE EASTERN SIDE OF THE FACILITIES SERVICE ROAD AS ONE ENTERS THE SECURED FACILITY. THE DARK-TONED AREA WAS FIRST OBSERVED ON [REDACTED] AND WAS NOT PRESENT [REDACTED]

25X1D ONE OF THE VAN-MOUNTED SHIP WHEEL RADARS AND ITS ASSOCIATED VAN HAS BEEN REMOVED FROM THE SOUTHERNMOST CONCRETE RADAR PAD SINCE [REDACTED] IT IS NOT OBSERVED AT ANY OTHER LOCATION WITHIN THE SECURED FACILITY. EACH OF THE SLIDING SHELTERS ON THE E-BUILDING IS IN THE CLOSED POSITION.

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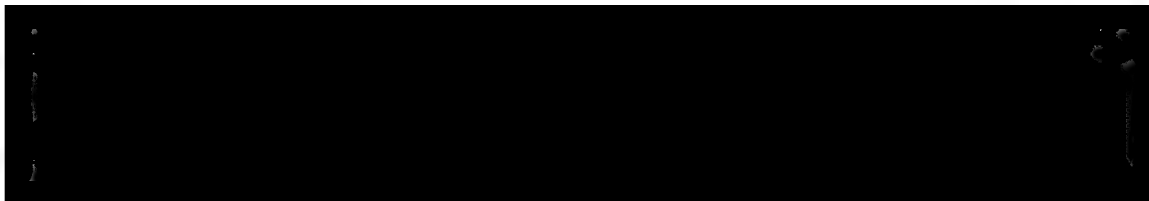
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SOVIET UNION
MISSILE RANGES

25X1D



OTHER RESULTS-NO APPARENT CHANGE

25X1D

SARY-SHAGAN COMMUNICATIONS FAC 2 (HF)
NAC

25X1A 45-54-14N 073-38-10E

STATUS: OPERATIONAL

25X1D



25X1D

SARY-SHAGAN COMMUNICATIONS FAC 5 (MW)
NAC

25X1A 46-14-22N 072-56-53E

STATUS: OPERATIONAL

25X1D



25X1D

SARY-SHAGAN COMMUNICATIONS FAC 6 (MW)
NAC

25X1A 46-03-55N 073-21-39E

STATUS: OPERATIONAL

25X1D



25X1D

SARY-SHAGAN MICROWAVE FACILITY 10
NAC

25X1A 46-57-30N 072-30-20E

STATUS: OPERATIONAL

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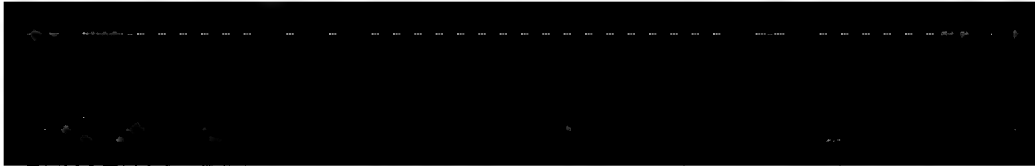
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25X1D

SOVIET UNION
MISSILE RANGES



25X1D SARY-SHAGAN MICROWAVE FACILITY 9
NAC

25X1A 46-52-50N 071-52-30E

STATUS: OPERATIONAL



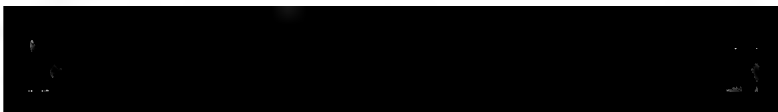
25X1D SARY-SHAGAN MRBM IMPACT AREA 3

25X1A

46-27-//N 072-44-//E

STATUS: OPERATIONAL

REMARKS:
NO MISSILE IMPACT CRATERS ARE IDENTIFIED.



25X1D SARY-SHAGAN RAD REL + TV CEN MAIN BASE
NAC

25X1A 46-01-40N 073-42-40E

STATUS: OPERATIONAL



25X1D SARY-SHAGAN RADIO RELAY STATION 11
NAC

25X1A 46-41-20N 072-38-00E

STATUS: OPERATIONAL

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SOVIET UNION
MISSILE RANGES



25X1D

SARY-SHAGAN RADIO RELAY STATION 15
[REDACTED] NAC

25X1A

47-14-20N 068-22-44E
[REDACTED]

STATUS: OPERATIONAL

25X1D



25X1D

SARY-SHAGAN RADIO RELAY STATION 3-II
[REDACTED] NAC

25X1A

45-37-02N 072-37-12E
[REDACTED]

STATUS: OPERATIONAL

25X1D



25X1D

SARY-SHAGAN RADIO RELAY STATION 8
[REDACTED] NAC

25X1A

46-55-30N 070-49-30E
[REDACTED]

STATUS: OPERATIONAL

25X1D



25X1D

SARY-SHAGAN RDO COM + RDO REL STA 14
[REDACTED] NAC

25X1A

47-08-37N 069-09-29E
[REDACTED]

STATUS: OPERATIONAL

25X1D



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SOVIET UNION
MISSILE RANGES

25X1D

SARY-SHAGAN RDO COM + RDO REL STA 16
NAC

25X1A

47-21-44N 067-29-13E

STATUS: OPERATIONAL

25X1D

25X1D

SARY-SHAGAN TRACKING FACILITY 7
NAC

25X1A

46-37-11N 070-47-14E

STATUS: OPERATIONAL

25X1D

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SOVIET UNION
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

AK-BALYK SAM SITE A01-2
[REDACTED] NAC

25X1A

46-33-50N 079-13-30E
[REDACTED]

STATUS:OCCUPIED

25X1D

[REDACTED]

25X1D

ALMA-ATA SAM SITE A03-2
[REDACTED] NAC

25X1A

43-23-35N 077-01-22E
[REDACTED]

STATUS:OCCUPIED

25X1D

[REDACTED]

25X1D

ALMA-ATA SAM SITE B31-2
[REDACTED] NAC

25X1A

43-23-15N 076-36-45E
[REDACTED]

STATUS:OCCUPIED

25X1D

[REDACTED]

25X1D

ALMA-ATA SAM SITE C03-2
[REDACTED] NAC

25X1A

43-40-44N 077-08-42E
[REDACTED]

STATUS:OCCUPIED

25X1D

[REDACTED]

25X1D

ALMA-ATA SAM SUPPORT FACILITY
[REDACTED] NAC

25X1A

43-23-05N 076-55-19E
[REDACTED]

STATUS:OPERATIONAL

SP-10

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SOVIET UNION
AIR DEFENSE MISSILES

REMARKS:

A UKRAINA REVETMENT IS UNDER CONSTRUCTION ADJACENT TO THE
FACILITY.

25X1D



BARNAUL SAM SITE B11-2

25X1A

53-21-30N 084-08-07E

25X1D

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:

12.5 NM EAST OF BARNAUL.

THE COMPLETED SA-2 SITE IS OF LINK CONFIGURATION AND CONSISTS
OF SIX REVETTED LAUNCH POSITIONS, A GUIDANCE AREA WITH AN
EARTH-MOUNDED STRUCTURE, THREE DRIVE-THROUGH REVETTED
MISSILE-HOLD POSITIONS, AND AN ON-SITE SUPPORT FACILITY
CONTAINING TWO LARGE BUILDINGS (ONE REVETTED) AND AT LEAST
THREE SMALLER BUILDINGS. THE GUIDANCE AREA AND THREE OF THE
LAUNCH POSITIONS ARE OCCUPIED.

25X1D



BARNAUL SAM SITE B20-2
NAC

25X1A

53-08-43N 083-40-49E

25X1D

STATUS:OCCUPIED

25X1D



BELGOROD-DNESTROVSKIY SAM SITE B25-2
NAC

25X1A

46-07-25N 030-04-10E

25X1D

STATUS:OCCUPIED

25X1D



1979-1980

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~~TOP SECRET RUFF~~

TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D BELGOROD-DNESTROVSKIY SAM SUPPORT FAC 25X1A 46-07-31N 030-04-22E
[REDACTED] NAC [REDACTED]

STATUS: OPERATIONAL

25X1D

[REDACTED]

25X1D BURNOYE SAM SITE A36-2 25X1A 42-42-23N 070-46-02E
[REDACTED] NAC [REDACTED]

STATUS: OCCUPIED

25X1D

[REDACTED]

25X1D BURNOYE SAM SITE C27-2 25X1A 42-35-39N 070-16-16E
[REDACTED] NAC [REDACTED]

STATUS: OCCUPIED

25X1D

[REDACTED]

25X1D CHIMKENT SAM SITE B08-2 25X1A 42-21-32N 069-52-52E
[REDACTED] [REDACTED]

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

14 NM ENE OF CHIMKENT.

THE COMPLETED SA-2 SITE IS OF LINK CONFIGURATION AND CONSISTS OF SIX REVETTED LAUNCH POSITIONS, THREE REVETTED MISSILE-HOLD POSITIONS, AND A CENTRAL GUIDANCE STRUCTURE. A SUPPORT AREA JUST EAST OF THE LAUNCH AREA CONTAINS SIX LARGE AND SIX SMALLER BUILDINGS.

25X1D

[REDACTED]

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~~TOP SECRET RUFF~~

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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D CHIMKENT SAM SITE B21-2 25X1A 42-08-37N 069-31-10E
[REDACTED]

STATUS:OCCUPIED

REMARKS:
THE SUPPORT AREA CONTAINS THREE LARGE AND FIVE SMALLER
BUILDINGS.

25X1D

[REDACTED]

25X1D CHIMKENT SAM SUPPORT FACILITY 25X1A 42-20-50N 069-37-26E
[REDACTED]

STATUS:OPERATIONAL

25X1D REMARKS:
THE ARCH-ROOFED BUILDING OBSERVED UNDER CONSTRUCTION ADJACENT
TO THE UKRAINA REVETMENT ON MISSION [REDACTED] HAS BEEN
EARTH COVERED. A FENCED PARKING AREA EAST OF THE FACILITY HAS
BEEN SURFACED, PROBABLY WITH PACKED GRAVEL.

25X1D

[REDACTED]

25X1D DZHAMBUL SAM SITE B07-2 25X1A 42-59-56N 071-38-37E
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1D

[REDACTED]

25X1D FRUNZE SAM SITE A33-2 25X1A 42-56-42N 074-29-41E
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

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TOP SECRET RUFF

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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109
25X1D

SOVIET UNION
AIR DEFENSE MISSILES

[REDACTED]

25X1D

FRUNZE SAM SITE B07-2

25X1A

42-58-10N 074-51-40E

STATUS:OCCUPIED

REMARKS:
MISSILE-READY BUILDINGS ARE OBSERVED UNDER CONSTRUCTION AT
THREE LAUNCH POSITIONS.

25X1D

[REDACTED]

25X1D

FRUNZE SAM SITE C28-2
NAC

25X1A

42-55-33N 074-01-57E

STATUS:OCCUPIED

25X1D

[REDACTED]

25X1D

FRUNZE SAM SUPPORT FACILITY
NAC

25X1A

42-53-21N 074-27-40E

STATUS:OPERATIONAL

25X1D

[REDACTED]

25X1D

GORKIY SAM SITE B11-2

25X1A

56-17-01N 044-18-16E

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
13 NM EAST OF GORKIY.
THE SITE IS OF LINK CONFIGURATION AND CONSISTS OF SIX REVETTED
LAUNCH POSITIONS, A REVETTED COVERED GUIDANCE AREA, AND TWO

APR 1971

22

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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

REVETTED MISSILE-HOLD POSITIONS. AN ON-SITE SUPPORT FACILITY IMMEDIATELY WEST OF THE LAUNCH AREA CONSISTS OF APPROXIMATELY 16 BUILDINGS AND STRUCTURES.

25X1D



25X1A

25X1D

GORKIY SAM SITE C17-2
NAC

55-50-07N 044-10-02E

STATUS:OCCUPIED

25X1D



IVANOVO SAM SITE A29-2

25X1A

57-01-06N 040-52-09E

25X1D



STATUS:OCCUPIED

REMARKS:

A NEW LARGE, EXTERNALLY COMPLETE BUILDING IS OBSERVED AT THE NW CORNER OF THE SITE. TWO NEW REVETTED DRIVE-THROUGH POSITIONS HAVE BEEN CONSTRUCTED AT THE SE CORNER OF THE SITE. A SMALL BUILDING HAS BEEN CONSTRUCTED NEXT TO ANOTHER OF THE SAME SIZE NEAR THE ENTRANCE TO THE SITE.

25X1D



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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D KALININ SAM COMPLEX B19-5 25X1A 56-36-28N 035-52-55E
[REDACTED]

STATUS:OCCUPIED

REMARKS:

CONSTRUCTION OF THE COMPLEX IS NEARING COMPLETION. LAUNCH
SITES A AND C ARE COMPLETE AND HAVE MISSILE-READY
BUILDINGS/SHELTERS. LAUNCH SITE B IS PROBABLY COMPLETE,
ALTHOUGH MISSILE-READY BUILDINGS/SHELTERS ARE OBSERVED ONLY AT
LAUNCH POSITIONS B5 AND B6. ALL 18 LAUNCH POSITIONS ARE
OCCUPIED. ALL THREE RADAR MOUNDS IN THE TRACKING AND GUIDANCE
AREA ARE COMPLETE AND OCCUPIED. NO CHANGE IS OBSERVED IN THE
MISSILE-HANDLING AND SUPPORT FACILITIES. THE ASSOCIATED AIR
WARNING RADAR FACILITY IS OCCUPIED AND CONTAINS AT LEAST EIGHT
RADAR MOUNDS.

25X1D

[REDACTED]

25X1D KARABALTY SAM SITE B29-2 25X1A 42-54-55N 073-31-11E
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1D

[REDACTED]

25X1D KHADABULAK SAM SITE A07-2 25X1A 50-45-03N 116-18-49E
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1D

[REDACTED]

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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D KHARKOV SAM SITE A01-2 25X1A 50-07-42N 036-16-25E
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1D [REDACTED]

25X1D KHARKOV SAM SITE B13-2 25X1A 49-52-55N 036-30-17E
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1D [REDACTED]

25X1D KHARKOV SAM SITE B28-2 25X1A 50-00-36N 035-55-27E
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1D [REDACTED]

25X1D KHARKOV SAM SUPPORT FACILITY 25X1A 49-56-33N 036-26-55E
[REDACTED] NAC [REDACTED]

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TOP SECRET RUFF
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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

STATUS: OPERATIONAL

25X1D



25X1D

MOSKVA SAM SITE E33-3

25X1A

56-21-22N 036-45-55E

STATUS: OCCUPIED

REMARKS:

PROBABLE MISSILE-READY BUILDINGS ARE UNDER CONSTRUCTION AT TWO OF THE LAUNCH POSITIONS. THE TWO LAUNCH POSITION REVETMENTS ARE BEING MODIFIED TO CONTAIN THE NEW STRUCTURES, WHICH EXTEND AWAY FROM THE LAUNCH POSITIONS IN THE OPPOSITE DIRECTION FROM THE GUIDANCE AREA. ALL FOUR LAUNCH POSITIONS, THE GUIDANCE RADAR MOUND, AND THE ACQUISITION RADAR MOUND ARE OCCUPIED.

25X1D



25X1D

SARY-OZEK SAM SITE C29-2

25X1A

44-28-55N 077-26-00E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

24 NM WNW OF SARY-OZEK.

THE COMPLETED, SECURED SA-2 SITE IS OF A MODIFIED LINK CONFIGURATION AND CONSISTS OF SIX REVETTED LAUNCH POSITIONS, A GUIDANCE AREA CONTAINING A DRIVE-IN BUNKERED STRUCTURE, THREE REVETTED DRIVE-IN MISSILE-HOLD POSITIONS, AND A PROBABLE ACQUISITION RADAR POSITION. THE ON-SITE SUPPORT FACILITY IMMEDIATELY ADJACENT TO THE SITE AND WITHIN THE SITE SECURITY FENCE CONSISTS OF TWO SEPARATELY SECURED VEHICLE PARKING AREAS, AND THREE LARGE AND AT LEAST EIGHT SMALLER SUPPORT BUILDINGS.

25X1D



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TOP SECRET RUFF

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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D

[REDACTED]

25X1D

SARY-OZEK SAM SUPPORT FACILITY
[REDACTED] NAC

25X1A

44-37-31N 077-58-13E

[REDACTED]

STATUS: OPERATIONAL

25X1D

[REDACTED]

25X1D

SARY-SHAGAN SAM COMPLEX D19-5

25X1A

45-36-55N 072-34-20E

[REDACTED]

[REDACTED]

STATUS: UNDER CONSTRUCTION

REMARKS:

LAUNCH POSITIONS C5 AND C6 ARE PARTIALLY REVETTED. AT THE AIR
WARNING RADAR FACILITY, THREE OF THE RADAR MOUNDS ARE OCCUPIED
BY A SMALL VEHICLE OR PIECE OF EQUIPMENT.

25X1D

[REDACTED]

25X1D

SLAVYANKA SAM SITE A19-2
[REDACTED] NAC

25X1A

40-38-52N 068-32-32E

[REDACTED]

STATUS: OCCUPIED

25X1D

[REDACTED]

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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D

SVOBODNYY SAM COMPLEX A32-5

25X1A

51-56-22N 128-10-25E

STATUS:OCCUPIED

REMARKS:

ALL 18 LAUNCH POSITIONS ARE OCCUPIED BY PROBABLE LAUNCHERS.
PROBABLE MISSILE DOLLIES ARE OBSERVED IN LAUNCH POSITIONS B2,
B5, C2, AND C5. TWO OBJECTS, POSSIBLY MISSILE DOLLIES, ARE
OBSERVED ADJACENT TO LAUNCH POSITION C4. THE THREE RADAR
MOUNDS OF THE TRACKING AND GUIDANCE FACILITY AND THE FOUR RADAR
MOUNDS OF THE AIR WARNING RADAR FACILITY ARE OCCUPIED.

MISSILE ORDER OF BATTLE:

18 PROB LAUNCHERS

2 POSS MISSILE DOLLIES

4 PROB MISSILE DOLLIES

25X1D

TYURATAM MSL TEST CTR SAM SITE B08-2
NAC

25X1A

46-01-42N 063-55-51E

25X1D

STATUS:OCCUPIED

25X1D

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TOP SECRET RUFF

TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

TYURATAM MSL TEST CTR SAM SITE B32-2
NAC

25X1A 46-05-09N 063-14-05E

25X1D

STATUS:OCCUPIED

25X1D

TYURATAM SAM COMPLEX B23-5

25X1A

45-46-57N 063-12-28E

25X1D

STATUS:OCCUPIED

REMARKS:

ALL 18 LAUNCH POSITIONS ARE OCCUPIED BY LAUNCHERS, MISSILE DOLLIES ARE OBSERVED AT LAUNCH POSITIONS A2, A4, AND A6, ALL LAUNCH POSITIONS OF SITE B, AND LAUNCH POSITIONS AT C1, C3, C4, AND C6. ALL THREE RADAR POSITIONS IN THE TRACKING AND GUIDANCE FACILITY ARE OCCUPIED. SEVERAL VEHICLES OR PIECES OF EQUIPMENT ARE OBSERVED THROUGHOUT THE COMPLEX.

MISSILE ORDER OF BATTLE:

18 LAUNCHERS

13 MISSILE DOLLIES

SEVERAL VEHICLES OR PIECES
OF EQUIPMENT

25X1D

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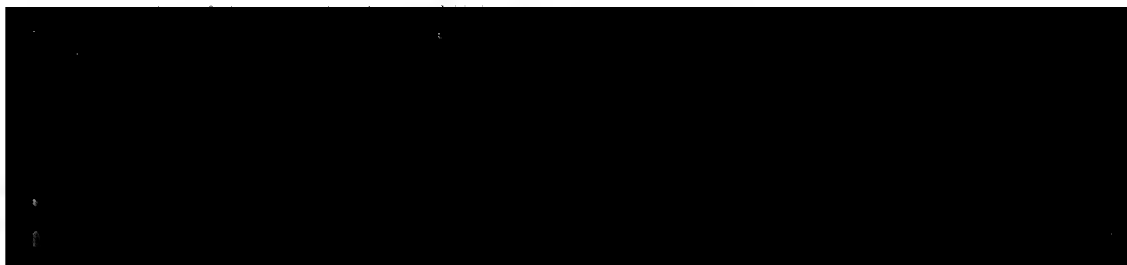
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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D



OTHER RESULTS-NO APPARENT CHANGE

25X1D

ALMA-ATA SAM SITE A33-2
[REDACTED] NAC

25X1A 43-19-45N 076-51-40E
[REDACTED]

STATUS:UNOCCUPIED

25X1D



25X1D

ALMA-ATA SAM SITE A36-2
[REDACTED] NAC

25X1A 43-23-25N 076-55-00E
[REDACTED]

STATUS:UNOCCUPIED

25X1D



25X1D

ALMA-ATA SAM SITE C04-2
[REDACTED] NAC

25X1A 43-37-30N 077-14-35E
[REDACTED]

STATUS:UNOCCUPIED

25X1D



25X1D

BARNAUL SAM SUPPORT FACILITY
[REDACTED] NAC

25X1A 53-23-20N 083-38-25E
[REDACTED]

STATUS:UNKNOWN

25X1D



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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D CHIMKENT SAM SITE A21-2 25X1A 42-11-20N 069-30-20E
[REDACTED] NAC [REDACTED]

STATUS:UNOCCUPIED

25X1D [REDACTED]

25X1D CHIMKENT SAM SITE B09-2 25X1A 42-19-45N 069-54-25E
[REDACTED] NAC [REDACTED]

STATUS:UNOCCUPIED

25X1D [REDACTED]

25X1D SARY-OZEK SAM SITE B36-2 25X1A 44-38-40N 077-55-00E
[REDACTED] NAC [REDACTED]

STATUS:UNOCCUPIED

25X1D [REDACTED]

25X1D SARY-OZEK SAM SITE C24-2 25X1A 44-05-05N 077-29-40E
[REDACTED] NAC [REDACTED]

STATUS:UNOCCUPIED

25X1D [REDACTED]

25X1D SLAVYANKA SAM SITE C23-2 25X1A 40-24-00N 068-11-30E
[REDACTED] NAC [REDACTED]

STATUS:UNOCCUPIED

25X1D [REDACTED]

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TOP SECRET RUFF

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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D

TAGANROG SAM SITE A04-2
[REDACTED] NAC

25X1A 47-18-53N 038-59-29E
[REDACTED]

STATUS:UNKNOWN

25X1D

[REDACTED]

TYURATAM MSL TEST CTR SAM SITE B03-2
[REDACTED] NAC

25X1A 46-10-48N 063-36-37E
[REDACTED]

25X1D

STATUS:UNOCCUPIED

25X1D

[REDACTED]

TYURATAM MSL TEST CTR SAM SITE B26C-2
[REDACTED] NAC

25X1A 45-51-39N 063-02-23E
[REDACTED]

25X1D

STATUS:UNOCCUPIED

25X1D

[REDACTED]

~~TOP SECRET RUF~~

TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D 25X1A KASPIYSKIY AW RADAR FACILITY 45-23-48N 047-21-00E
[REDACTED]

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

ON THE NORTHERN EDGE OF KASPIYSKIY. THIS FACILITY CONSISTS OF TWO OCCUPIED RADAR MOUNDS, SEVERAL SLOT REVETMENTS, ONE SUPPORT BUILDING, AND SEVERAL VEHICLES. CONSTRUCTION IS CONTINUING.

25X1D

[REDACTED]

25X1D 25X1A SERPUKHOV MICROWAVE FACILITY 54-50-34N 037-25-20E
[REDACTED]

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

4 NM SOUTH OF SERPUKHOV. THIS INSTALLATION IS SINGLE FENCED AND CONSISTS OF A MICROWAVE ANTENNA, ONE CONTROL BUILDING, AND ONE SUPPORT BUILDING. THIS IS POSSIBLY THE ROUND-APERTURE-TYPE PREVIOUSLY REPORTED IN THE LENINGRAD AREA. THE SMALL SCALE OF THE PHOTOGRAPHY PRECLUDES IDENTIFICATION OF THE ANTENNA ELEMENTS AND THEIR ORIENTATION.

25X1D

[REDACTED]

25X1D TOBOLSK TALL KING-AW RADAR FACILITY 58-14-00N 068-20-00E
[REDACTED]

STATUS: OCCUPIED

25X1A

PHYSICAL DESCRIPTION:

THIS SECURED FACILITY CONTAINS A TALL KING ANTENNA, A GENERATOR BUILDING, A CONTROL BUILDING, A SUPPORT BUILDING, AND TWO RADARS ON MOUNDS.

25X1D

[REDACTED]

~~TOP SECRET RUF~~

Handle Via
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TOP SECRET RUFE

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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109
25X1D

SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

OTHER RESULTS-NO APPARENT CHANGE

25X1D

MOSKVA/OSTAFYEVO HF COMMUNICATIONS FAC
NAC

25X1A

55-29-55N 037-21-12E

STATUS: OPERATIONAL

25X1D

25X1D

NIKOLAYEVKA TROPOSCATTER FACILITY
NAC

25X1A

44-32-16N 033-30-40E

STATUS: OCCUPIED

25X1D

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Handle Via
Talent-KEYHOLE
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TOP SECRET RUFF

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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

KASPIYSKIY AIRFIELD

25X1A

45-23-30N 047-21-00E

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

0.7 NM SOUTH OF KASPIYSKIY. A SOD LANDING AREA WITH A POSSIBLE LANDING TEE. NO SUPPORT FACILITY IS OBSERVED.

AIR ORDER OF BATTLE:

3 SMALL STRAIGHT-WING

25X1D

25X1D

KHARABALI AIRFIELD

25X1A

47-24-40N 047-15-30E

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

ON THE NORTHERN EDGE OF KHARABALI. A NE/SW GRADED-EARTH RUNWAY WITH FOUR SMALL AIRCRAFT REVETMENTS AND A SUPPORT AREA. DIMENSIONS OF THE RUNWAY CANNOT BE DEFINED.

AIR ORDER OF BATTLE:

1 POSS SMALL STRAIGHT-WING

25X1D

25X1D

LIKHOSLAVL/KRYUCHKOVO AIRFIELD

25X1A

57-04-08N 035-30-13E

STATUS: OPERATIONAL

REMARKS:

25X1D

25X1D

THIS IS AN INCREASE OF 19 BADGER MEDIUM BOMBERS SINCE [REDACTED] THESE AIRCRAFT ARE PROBABLY PARTICIPATING IN A TRAINING OPERATION.

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TOP SECRET RUFF

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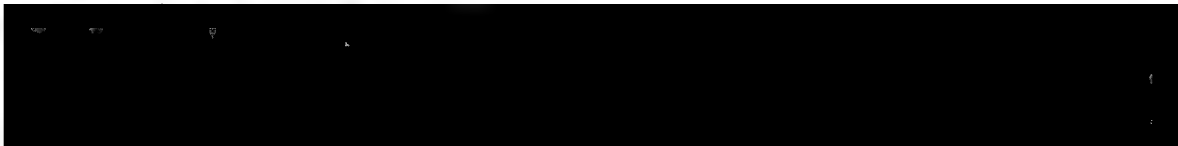
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KH-4 MISSION 1109

SOVIET UNION
AIR BASE FACILITIES

AIR ORDER OF BATTLE:
24 BADGER
1 MEDIUM STRAIGHT-WING

1 SMALL STRAIGHT-WING

25X1D



25X1D

PETROPAVLOVSK AIRFIELD

25X1A

54-50-10N 069-10-10E

STATUS: OPERATIONAL

REMARKS:
THIS AIRFIELD HAS A SECURED POL STORAGE AREA CONTAINING 22
HORIZONTAL POL TANKS.

AIR ORDER OF BATTLE:
6 COLT

3 CREEK

25X1D



25X1D

TOBOLSK AIRFIELD

25X1A

58-07-40N 068-14-00E

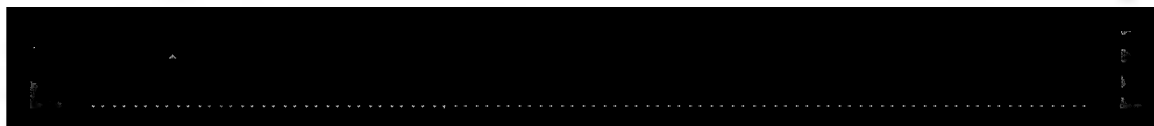
STATUS: OPERATIONAL

REMARKS:
FACILITIES INCLUDE TWO NOSE HANGARS, ONE TERMINAL BUILDING, AND
FOUR SUPPORT BUILDINGS. A SECURED POL FACILITY CONTAINS 71
HORIZONTAL POL TANKS AND ONE SUPPORT BUILDING.

AIR ORDER OF BATTLE:
8 COLT
3 CREEK

3 HELICOPTERS

25X1D



Handle Via
Talent-KEYHOLE
Control System Only

TOP SECRET RUFF
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TCS-20121/70 - IPIR 19
KH-4 MISSION 1109

SOVIET UNION
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D CHEKHOV EXPLOSIVES STORAGE AREA 25X1A 55-08-18N 037-34-35E
[REDACTED]

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:

3.4 NM EAST OF CHEKHOV. THIS STORAGE AREA IS IN A WOODED AREA AND IS SECURED BY A SINGLE FENCE. IT CONSISTS OF ONE BARRACKS OR ADMINISTRATION BUILDING, ONE SUPPORT BUILDING, 46 STORAGE BUILDINGS, ONE HEATING PLANT, AND ONE PROBABLE MESSHALL.

25X1D

25X1D IMAN BORDER SECURITY POST NORTH 25X1A 45-59-20N 133-43-00E
[REDACTED]

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:

1.5 NM EAST OF THE USSR-CHINA USSURI RIVER BORDER AND 3.5 NM NORTH OF IMAN. THIS INSTALLATION HAS PERIMETER DEFENSES AND CONSISTS OF ONE BARRACKS, ONE PROBABLE SUPPORT BUILDING, THREE STORAGE OR SUPPORT BUILDINGS, AND THREE UTILITY SHEDS.

25X1D

25X1D SUKHANOVKA BORDER SECURITY POST 25X1A 46-04-50N 133-44-30E
[REDACTED]

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:

300 METERS (984 FEET) EAST OF THE USSR-CHINA USSURI RIVER BORDER AND 5 NM WEST OF SUKHANOVKA. THIS SECURED INSTALLATION CONSISTS OF ONE BARRACKS, ONE PROBABLE SUPPORT BUILDING, ONE STORAGE OR SUPPORT BUILDING, AND TWO UTILITY BUILDINGS.

25X1D

25X1D

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Handle Via
Talent-KEYHOLE
Control System Only

TOP SECRET RUFG
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SOVIET UNION
LOGISTICS

SIGNIFICANT RESULTS

25X1D

SUSLOVO PETROLEUM PRODUCTS STORAGE

55-11-20N 067-26-30E

25X1A

STATUS: OPERATIONAL

REMARKS:

THIS SECURED FACILITY IS AN OIL PIPELINE PUMPING STATION. IT CONTAINS ONE PUMPHOUSE, A POWERPLANT WITH A STACK, 11 SUPPORT BUILDINGS, FOUR LARGE VERTICAL POL TANKS, AND FOUR LARGE BURIED POL TANKS. AN OPEN OIL STORAGE RESERVOIR IS OUTSIDE THE SECURED AREA.

25X1D

25X1D

YENOTAYEVKA PETROLEUM PRODUCTS STORAGE

47-15-20N 047-02-23E

25X1A

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

ON THE NORTHERN EDGE OF YENOTAYEVKA, THIS SECURED FACILITY CONTAINS 21 LARGE VERTICAL POL TANKS, FIVE HORIZONTAL POL TANKS, AND SEVEN SUPPORT BUILDINGS.

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

SARY-SHAGAN RR STA YARDS AND SHOPS
NAC

25X1A

46-07-13N 073-36-28E

STATUS: OPERATIONAL

25X1D

111100

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TOP SECRET RUFG

Handle Via
Talent-KEYHOLE
Control System Only

Handle Via
Talent-KEYHOLE
Control System Only

TOP SECRET RUFF

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KH-4 MISSION 1109

SOVIET UNION
INDUSTRY

SIGNIFICANT RESULTS

25X1A

KHIMKI PROB R+D ELECTRONICS FACILITY

55-54-41N 037-25-56E

25X1D

STATUS: OPERATIONAL

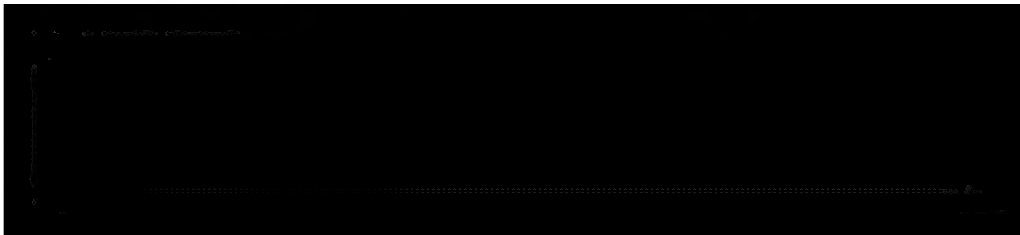
REMARKS:

THE PROBABLE MULTISTORY ADMINISTRATION/ENGINEERING BUILDINGS
OBSERVED UNDER CONSTRUCTION ON [REDACTED] NOW APPEAR
TO BE COMPLETE. ONE ADDITIONAL COMPLETED BUILDING IS OBSERVED
IN THE OPERATIONS AREA. THE CONTROL-TYPE BUILDING WITH A
[REDACTED] NOW HAS A DOME
MOUNTED ON THE RING. NO OTHER CHANGES ARE OBSERVED IN THE REST
OF THE AREA.

25X1D

25X1D

25X1D



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TOP SECRET

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TOP SECRET

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